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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/733,087	12/11/2003	Matthew J. Hunton	PWV1.PAU.50 8467		
7590 05/23/2005			EXAMINER		
David L. Henty			MOTTOLA, STEVEN J		
Myers Dawes A	Andras & Sherman, LLP				
Suite 1150		ART UNIT	PAPER NUMBER		
19900 MacArth	ıur Blvd.	2817			
Irvine, CA 92612			DATE MAILED: 05/23/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	No.	Applicant(s)				
Office Action Summary		10/733,087		HUNTON ET AL.				
		Examiner		Art Unit				
		Steven J. Mo		2817				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) 🗌	Responsive to communication(s) filed on _	·						
2a) <u></u> □	2a) This action is FINAL . 2b) ⊠ Th		s action is non-final.					
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4)⊠ Claim(s) <u>1-29</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.							
,	5)⊠ Claim(s) <u>1-9 and 21-29</u> is/are allowed. 6)⊠ Claim(s) <u>10,11 and 16-20</u> is/are rejected.							
•	Claim(s) 12-15 is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement.								
Application Papers								
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
 Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No 								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s)								
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)	· · · · · · · · · · · · · · · · · · ·	Interview Summary Paper No(s)/Mail Da					
3) 🛛 Infon	mation Disclosure Statement(s) (PTO-1449 or PTO/SB er No(s)/Mail Date <u>051804</u> .	3/08) 5)	Notice of Informal P Other:		O-152)			

Application/Control Number: 10/733,087

Art Unit: 2817

Claims 16-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

There is no antecedent basis for "said processor" of line 1 of claim 16.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 10-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Ishigami et al.

The applicants are familiar with this reference. Refer to fig. 1. An input terminal 1 may be read as the input claimed; note that the intended use of Ishigami et al. is a mobile communications system using a multi-carrier signal (paragraph 2); this would meet the RF input signal limitation of the claim. A first loop that may be read as the first control loop is coupled to the input via divider 2 and includes a main amp 5 that may be

Application/Control Number: 10/733,087 Page 3

Art Unit: 2817

read as the like element claimed, a divider 7 that will provide sampled signals B and C and may thus be read as the sampling coupler claimed as well as combined signals at terminals D and E so that it may be read as the cancellation combiner claimed as well. Delay 6 may be read on the like element claimed and the control loop will have a gain set by the attenuators 3 & 16 and main amp 5. There is also a second loop that may be read as the second control loop claimed coupled to the first loop via the divider 7 including a delay 8 that may be read as the like element claimed, an auxiliary amp 11 that may be read as the claimed error amp and combiner 12 that may be read as the claimed error coupler. An output terminal 13 is coupled to the combiner 12 and may be read as the output claimed. The control unit 14 may be read as the means for detecting the first control loop gain as it will monitor the amplitude of signals B and C (paragraph 36) and includes a control signal generation circuit 15 that may be read as the means for controlling claimed as it will adjust the attenuators 3 & 16 to set the loop gain of the first loop. The value will normally be offset from a minimal value; see paragraph 35. Regarding claim 11, note attenuator 3 above while the control unit 14 may be read as the claimed processor.

Claims 12-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The input reference and test couplers of claim 12 are not shown in the prior art of record in the context claimed.

Claims 1-9 and 21-29 are allowed. The last paragraphs of claims 1 & 21 are not met by the prior art of record in the context claimed.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. A related application to the present one is cited as Hunton et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven J. Mottola whose telephone number is 571-272-1766. The examiner can normally be reached on M-Th from 7 to 4. The examiner can also be reached on alternate Fridays from 8 to 4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Pascal, can be reached on 571-272-1766. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Steven J. Mottola Primary Examiner